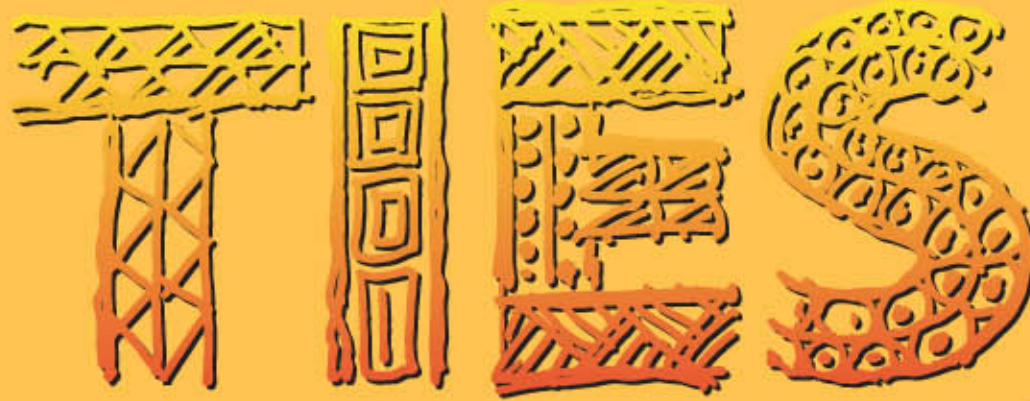


PNG  
LNG



# Shaping the future of PNG LNG

Engineers make a world of difference. They take on the toughest challenges of the day and innovate solutions that make people's lives better – today and tomorrow. Engineers help shape the future. Whether it's developing new fuel sources, managing energy resources more efficiently or exploring the outer edges of the universe, engineers make it happen. As operator of the PNG LNG project, we are committed to inspiring and preparing students to take on this important and rewarding career path.

Locally, our Science Ambassador Program (SAP) is carried out in schools in communities at Hides and LNG plant sites by staff volunteers, inspiring the next generation of innovators.

Staff volunteers deliver fun hands on science experiments and talk to local students about topics like how oil and gas is formed. The aim is to inspire an interest in students at a young age in STEM (science, technology, engineering and mathematics) as a pathway to a career in the energy industry in PNG.

The Science Ambassador Program is run by ExxonMobil in many countries around the world and works alongside schools to complement local education programs.

ExxonMobil PNG continues to invest in people.

Our recruitment team recently took part in career fairs and interviewed engineering students keen on pursuing engineering careers with ExxonMobil PNG and the PNG LNG project.

While ExxonMobil PNG has



ExxonMobil PNG, operator of the PNG LNG project, employs and trains young Papua New Guinean engineers. Pictured at work are integrity mechanical engineer, Sebastian Hemetsberger (left) and electrical engineer Lei Banduru.

*"We broadened our views by venturing out to find out what the interest was in the market. There are unique opportunities within ExxonMobil PNG – career and development opportunities that will contribute to nation building."*

previously recruited for engineers at the University of Technology this year, it was the first time we decided to extend our recruiting to include Papua New Guineans studying in Queensland, New South Wales and Victorian universities in Australia.

"We broadened our views by

venturing out to find out what the interest was in the market. There are unique opportunities within ExxonMobil PNG – career and development opportunities that will contribute to nation building," said HR Advisor Fatima Morgan.

The universities visited include

the PNG University of Technology, University of Queensland, Queensland University of Technology, University of New South Wales, Royal Melbourne Institute of Technology, Swinburne University, La Trobe University, Monash University, University of

Melbourne and James Cook University.

Successful candidates will be on-boarded in November and will start what we hope will be a long and rewarding engineering career with ExxonMobil PNG.

## Message from Managing Director, ExxonMobil PNG Andrew Barry



We have surpassed a major safety milestone – operating four years without a lost time incident (LTI) at the LNG Plant! Congratulations to all wanwoks and contractors for achieving such an important milestone.

This remarkable achievement is a testament to the hard work, dedication and

commitment to the safety of our team of employees and contractors which continues to show that the ExxonMobil vision of Nobody Gets Hurt is achievable.

Also this quarter, our recruitment team visited several universities in Papua New Guinea and Australia and talked to engineering students

about a potential engineering career with ExxonMobil PNG. We also feature one of our staff who plays a leading role at our marine terminal at the LNG plant. His story is one of a personal feat – coming from the Highlands area where there are no oceans and now in a marine role responsible for loading liquefied natural

gas (LNG) onto massive LNG carriers!

We are also continuing to support community events that preserve the rich cultural heritage in this country.

Happy reading!



# The story of Julie Alo

There are unsung heroes in far-flung communities in Papua New Guinea, tucked away behind the mountains and gorges.

Like many mothers in rural PNG, Julie Alo toils her gardens of kaukau, potatoes and vegetables at the break of dawn when the village is still asleep and the forest canopy is still covered by mist. Julie's village, Arou, is in the Lake Kopiago area in the Hela province.

"My day starts at 4am each day. I start the day with a prayer, then I clean up around the house and feed the pigs before I head off to the garden. When the sun is high, at midday, I return from the garden to cook kaukau and vegetables," said Julie.

Julie's afternoons are spent at the Christian Brethren Churches of PNG bible school, teaching young girls and women how to generate income from sewing, cooking and baking.

She also teaches the women in her village basic book keeping.

Other days, Julie travels to Juha and Hides, to deliver training on good governance and leadership to the Juha and Hides Women's groups. This often means walking for three hours to the nearest highway at Ketapo village

where Julie can board a highway bus to Tari. It costs K20 to travel on the bus. Julie completed Grade 10 at Koroba High School and has since helped young girls and women in her village and district.

In July this year, Julie was selected, along with Bala Karepa from Western Province, to attend the ExxonMobil-supported 2017 Global Women in Management (GWIM) program, held in Washington DC in the United States of America, for four weeks. Run by Plan International USA, the GWIM program brings together women from diverse cultures across the globe to network, learn, share and adapt best practices around the world for expanding women's economic opportunities. One of ExxonMobil's focus areas for community investment is empowering women in economics so they can participate meaningfully in and benefit from economic activities.

A total of 64 women from Papua New Guinea have benefited from the program since 2006. Past participants are strong leaders in their own communities, and are making a significant contribution in



Julie Alo shares her experience after returning from Washington DC, USA, where she attended the Global Women in Management (GWIM) program.

their roles within the nonprofit sector, entrepreneurial sector, community and greater society.

The alumni of the GWIM Program formed their own secretariat: Advancing Papua New Guinea: Women Leaders Network Inc. (APNG:WLN) to leverage the strengths of their

networks to support each other to deliver positive change in their communities and contribute to development programs and policies on social issues.

Julie returned from Washington DC with fresh ideas to share with the women in her village and in Hela

province. Julie said in Tok Pisin: "I learnt so many things in four weeks from the program and by sharing ideas with other course participants who were from different parts of the world. I also gained self-confidence and learnt so many new English words too!"



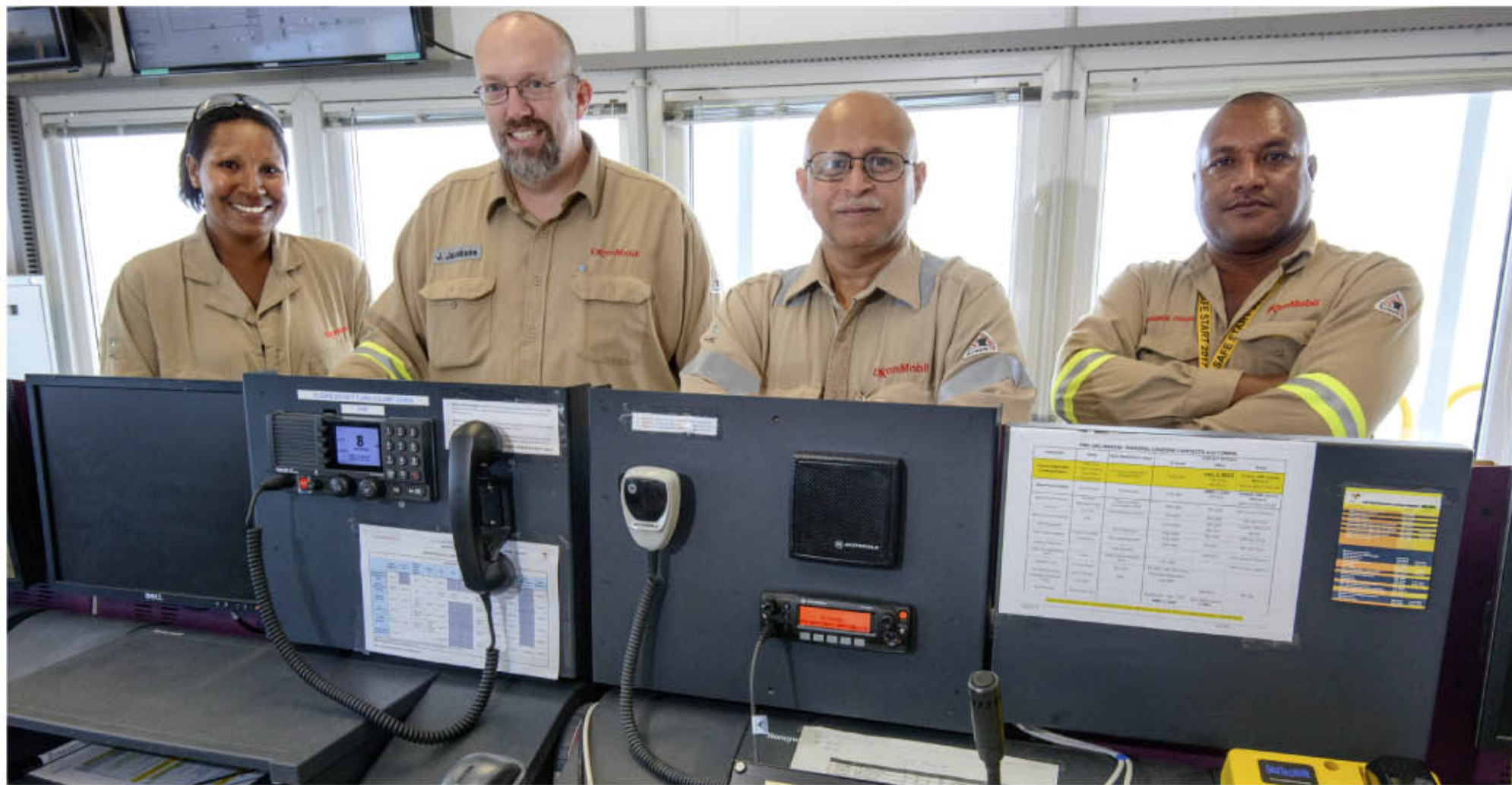
Julie Alo (second from right) and Bala Karepa (second from left) from the Western province returned from Washington DC, are flanked by ExxonMobil PNG Public and Government Affairs Manager Robert Aisi, staff from ExxonMobil PNG and women entrepreneurs and community leaders who attended past GWIM courses overseas.

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# When teamwork matters: LNG plant achieves four years LTI-free



Members of the marine terminal team in the control room (from left to right) Nonnie Eri, Jason Jacobson, Rajesh Sharma and Shadrick Possiri.

*"We can achieve so much when we work together."*

Working effectively while carrying out our individual roles as part of a team is incredibly important and makes a big difference in our organisation. ExxonMobil PNG has surpassed a major safety milestone - operating for four years without a lost time incident (LTI) at the LNG plant. Within this impressive safety record, several teams achieved significant incident free records - teams that did not even have a first aid incident. Deepinder Singh is the Marine Superintendent at the marine terminal at the LNG plant. A marine terminal is a reception facility for unloading cargo or loading cargo from LNG carriers (massive tankers that carry liquefied natural gas). "The marine terminal presents a large number of risks due to a dynamic environment - shipping movements, tugs, mooring operations, transfer of personnel to and from boats, connection and disconnection of loading arms - all conducted under varying and sometimes less than favourable conditions. Safety



Jonathan Bebege and Junias Warpin at work at the marine terminal.

is our core value, and is always front and centre in all work conducted at the terminal," said Deepinder. The roles vary at the marine terminal and apart from managing a team of employees, it also includes managing various contractors, overseeing the loading of cargo on ships and operational communication with all visiting ships, external interface with relevant government agencies and regulatory bodies, commercial interface with ExxonMobil teams in Singapore, LNG and condensate inventory management on site, oversight of maintenance and project work, participation in internal

safety forums and activities, training national staff for marine operations, emergency response and drills and participating in internal and external audits. "The fact that we are hurt free until today gives my team confidence that any target is achievable - one day at a time," added Deepinder. How do team leaders ensure their staff work safely each day? "For ExxonMobil Information Technology (EMIT) team, we start each day participating in site toolbox talks and hold a scrum meeting to discuss the day's activities - who is working where and on what, how can we support each

other and is anyone doing a high risk activity which needs further analysis, personal protective equipment (PPE) or help," said (EMIT) Area Operations Manager Matt Ducie. At 9am each day, the EMIT leadership team meets to review the discussions from scrum meetings at all project sites in Hides, Port Moresby and the LNG plant. They also have a safety meeting every Wednesday. The Warehouse team manages and maintains 12,000 line items of plant spare parts and provide support to all departments at the LNG plant and the warehouse in Hides. The team

consists of staff who come from communities near the LNG plant and have grasped the concept of how important the safety tools are to work safely each day. "Each day starts off with a safety toolbox meeting where each team member outlines their operations which can range from receiving material, preservation, storage and issuing materials out to other departments. We also share safety moments and safety observations to remind us how important the need is to apply the safety tools. At the end of the day, the warehouse team stops normal operation and do hour housekeeping in all areas before shutting down warehouse operations for the next day," said LNG Plant Warehouse Supervisor Kris Busina. LNG Plant Operations Manager Jagir Baxi said the achievement continues to show that ExxonMobil PNG (EMPNG) is an industry pacesetter in safety performance. Being able to operate without a lost time incident for four years is incredibly pleasing, especially since in this time the team at the LNG Plant safely completed plant construction and plant start-up, delivered over 300 LNG cargoes, and are training hundreds of PNG citizens across the plant."



# Kids receive lap desks

*"Education is the key to opening doors to opportunities; when you can read and write well, it means more opportunities exists for jobs and earning money to support your families."*



Kapote Primary School children in Hides were recipients of lap desks.

The absence of desks in schools can impede school children's learning process. Without school desks, children struggle to find a solid surface on which to practice their writing and learn basic literacy. Elementary and primary schools in Moro, Hides, Kikori and the LNG plant site received a total of 2,356 lap desks from ExxonMobil PNG during Literacy Week. Lap desks are portable and light weight writing surfaces with handles. The lap desks rest on a child's lap and provides a stable surface for students to write on. At Kapote Primary School in

Hides, 72 lap desks were delivered by ExxonMobil PNG staff. ExxonMobil PNG Safety Specialist David Ramos, when presenting the lap desks, encouraged students to develop an interest in reading. "Education is the key to opening doors to opportunities; when you can read and write well, it means more opportunities exists for jobs and earning money to support your families," he said.

*(Right) Children attending Inu Primary School in Moro received their lap desks during National Literacy Week recently.*



## Youth can make a difference

Young people can make a difference in their communities. International Youth Day is celebrated every year. This year, the theme was 'Youth Building Peace'. Youth groups in Hides, Moro and Kutubu marked the day with a range of interactive activities that centred on how youth can work together to promote peace among their

families and within their communities. Youth leader Glen Kei said it was the first time for some young people to celebrate this international event and thanked ExxonMobil PNG for supporting each year. "This is an eye opener for us. The youth sector is an important group and all stakeholders should have a program to work with young

people in the community. In our local churches, we have a program for youth to build their character so that they become responsible citizens," he added. ExxonMobil PNG recognises the importance of youth development and has been supporting youth groups in project areas communities in which it operates.



The rain did not dampen the spirits of this youth group in Moro as they celebrated International Youth Day.



## PNG Independence Day



Lev Yampolsky from Hides Gas Development Company (HGDC) in Huli bilas on Independence Day.





# Schools visit LNG plant site



School children from Papa Primary School children visited the LNG plant site. Every year, six schools on average visit the plant site.

## Paris Mercier shares his Independence Day experience



Paris Mercier (standing fifth from left) wears Manus traditional attire and performs 'Tamana' with the Manus group.

Each year during Independence celebrations, it has been an ExxonMobil PNG tradition that Papua New Guinean staff 'adopt' an expatriate staff into their culture. Expatriate staff learn about the culture they're adopted into and dress up in PNG attire. Paris Mercier is from Southwest Louisiana, USA, and is a senior mechanic with ExxonMobil with 17 years of service – 5 years of which are with the PNG LNG project. Paris shares his experience:

I really enjoyed the Independence celebrations at the PNG LNG plant site. I was honoured to join the group from Manus Island and was dressed in their traditional attire. Being able to participate with the Manus group was one of the best days of my life. It was truly an honour to get dressed in their traditional attire and perform 'Tamana' with the singing group. There are no words that can express the feeling of being accepted and deemed worthy of wearing the

Manus attire. My traditional Manus name is Kametan, given to me by the members of the group. I would say it was a once in a lifetime experience but I really look forward to doing this again either at another Independence Day celebration or some other PNG celebration in the future. I would like to thank my Manus family for the honour of letting me participate and I would like to let them know that they made me feel special as if I was from Manus.

## Schools near plant site receive lap desks

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Elementary school children from Boera receive lap desks.



Children of Porebada Elementary school after receiving their lap desks.

(See related story on page 4.)



# Highlands man in maritime



Otiwise (Oti) Akala (third from left) monitoring the first loading operation of LNG cargo with colleagues and crew on the LNG carrier "Papua" in February, 2015.

6 As soon as you enter the Marine Terminal, at the PNG LNG plant site, you will see a Highlands face and you might wonder, how did this guy make it here?

Otiwise (Oti) Akala, Marine Supervisor for the PNG LNG Marine Terminal, is responsible for loading LNG onto massive LNG carriers like the 'Spirit of Hela' and 'Papua'. He was a typical Highlands kid who, from his hamlet in Yasubi village in the Eastern Highlands province amidst the Okapa ranges, never thought he would end up in a senior maritime role. One thing was for sure though, Oti was destined for something altering and greater.

"As a kid, I always had different perspectives and ideas to what my buddies and friends had, and I guess that has played a part in where I am today," says Oti, as he reflects on his childhood.

After graduating from Aiyura National High School in 1996, Oti was accepted to study Computer Science at the PNG University of Technology (Unitech) the following year. "But I decided to apply for a Mooring Master Cadetship Program offered by Chevron at Unitech, which saw me being enrolled at the Madang Maritime College in 1998." From 1999 onwards, Oti completed 6 months basic seamanship training at the

PNG Maritime College, and then went to sea to get the required sea time. Most of this time was spent on Chevron's product tankers. He also sailed on very large crude carriers (VLCC) loading in the Middle East and discharging on the east and west coasts of US which included Los Angeles, San Francisco, Hawaii and Philadelphia.

In 2000 he found himself back at the maritime college completing his Certificate of Competency, Mate Class 3. Oti then returned to sea to be eligible to sit the exams for the next certificate of competency. The ultimate goal was to get the highest certificate which would be Master Mariner Class 1.

This continued into November 2003 whereby his life involved spending 3 or 4 months at sea with 2 month leaves.

In 2004, he left work with Chevron for Steamship Shipping - Coastal. In March 2005, he moved on to join the Oil, Gas and Chemicals division of SGS (PNG) Ltd, another multinational company which specialises in the inspection, verification, testing and certification services for ships based out of Port Moresby. Oti's primary role was to do quantity surveys on the liquids discharged from the ships to the respective shore terminals in the different ports in PNG. In December 2009, he left SGS

*"People will respect you for your knowledge and understanding, so never underestimate yourself."*



Otiwise (Oti) Akala (right) signing cargo documents for LNG carrier "Papua" during its inaugural visit to Port Moresby.

and joined InterOil Products Ltd (now Puma Energy) in their marine training and compliance section and was promoted to Compliance and Operations Coordinator. He stayed with InterOil Products Ltd until June 2012. Oti then decided it was time to move on when new opportunities arose during the construction phase of PNG LNG.

In June 2012, he was recruited by ExxonMobil PNG Limited (formerly Esso Highlands) as a

Marine Technician and in February 2014 was promoted to his current position of Marine Supervisor.

Looking back as a Highlander, in a marine job, Oti says, "You don't have to be a bird to fly the sky or a fish to swim in the sea; ambition, the right skill set, and training can take you anywhere you want to go." His advice to young people who have just graduated from school, college or university is to always be flexible and ready

to adapt to new roles and responsibilities - and a new environment as well.

"In the different roles, you will need to understand what needs to be done, how to do them, and most importantly, understand why it is done that way."

"People will respect you for your knowledge and understanding, so never underestimate yourself," says Oti.



# Preserve our cultural heritage and tradition

Our culture and our traditions give us identity – especially in a society such as ours with over 800 languages and ways of doing things.

The importance of keeping our cultural heritage and traditions is not only the cultural manifestation itself but rather the wealth of knowledge and skills that is passed on from one generation to the next. One means by which we can preserve our culture and traditions is through the celebration of festivals such as the Kutubu Kundu and Digaso Festival and the Hiri Moale Festival.

Recognising the importance of preserving our cultural heritage and traditions, ExxonMobil PNG Managing Director Andrew Barry said the Kutubu Kundu and Digaso Festival is a great opportunity to not only promote the unique culture and traditions of the Kutubu area but also the pristine environment. Lake Kutubu lies in the heart of the Kikori Basin, a vast area of wetlands, grasslands, and rain forest. Its water is clear, still, and about 230 feet (70 meters) deep. The Kikori Basin is home to the world's longest lizard, largest egg-laying mammal like the echidna, largest pigeon, largest moth,

and second largest butterfly and 12 endemic fish species. "We recognise that PNG is home to so many unique and endangered species of flora and fauna and has very distinctive cultures and as such, we strive to ensure that the environment and cultural heritage of the communities in which we operate are protected and preserved," said Andrew.

The Hiri Moale festival celebrates the Motu Koitabu culture and is a significant event for villages close to the PNG LNG plant site – Boera, Papa, Lealea and Porebada. The festival showcases the Hiri trading voyages that forged friendships and lineal ties going back to centuries between the Motu Koitabu people and the people of Gulf, Mekeo, Hula and Koiari with whom they traded throughout their history.

Over the last three years, ExxonMobil PNG has provided a total of K165,000 to towards the Kutubu Kundu and Digaso Festival and K99,600 towards the Hiri Moale Festival.

*(Right) A canoe race was the highlight of the recent Digaso Festival. The women in this picture won the race.*



2017 Hiri Moale Festival Chairman Opao Udia introducing ExxonMobil PNG Managing Director Andrew Barry, to last year's Hiri Queen winners at the 2017 Hiri Moale official opening ceremony.



Each year leading up to Book Week, staff volunteers assist to sort and pack books for schools in Kikori, Hides, Moro and near the PNG LNG plant site. The cartons of books reach the schools in time for Book Week. This year, a total of 11,685 books were distributed to the schools in project communities.



# PNG LNG Kumuls support Pinktober



The PNG LNG Kumuls show their support on breast cancer awareness. They are pictured here with ExxonMobil PNG Managing Director Andrew Barry and staff.

## PNG LNG congratulates PNG Hunters

The PNG Hunters visited staff at ExxonMobil PNG's office in Port Moresby after winning the Intrust Super Cup grand final in Brisbane on 24th September 2017. The team including coach Michael Marum were given a rousing welcome by staff and ExxonMobil Managing Director Andrew Barry. "We are proud of your efforts and the values you all represent. Many of those values we share at PNG LNG - teamwork, excellence and leadership. You are great

ambassadors for people young and old in this country. You are also great ambassadors for PNG LNG and we are proud to be a major sponsor of the team," said Andrew. PNG LNG has been a major sponsor of the PNG Hunters for the last four years. PNG LNG is also the principal sponsor of the PNG LNG Kumuls - the country's national rugby league team who will take part in the Rugby League World Cup.



ExxonMobil Managing Director Andrew Barry hoists the Intrust Super Cup with the help of PNG Hunters coach Michael Marum.



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The PNG LNG Project is an integrated development that includes gas production and processing facilities, onshore and offshore pipelines and liquefaction facilities. Participating interests are affiliates of ExxonMobil Corporation (including ExxonMobil PNG Limited as operator), Oil Search Limited, Kumul Petroleum Holdings Limited, Santos Limited, JX Nippon Oil and Gas Exploration and Mineral Resources Development Company.